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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/531,927	12/06/2005	Ingmar Vesterlund	HEI2-PT010	4085
202,	7590 10/31/2007	,	EXAMINER	
VOLPE AND KOENIG, P.C. UNITED PLAZA, SUITE 1600 30 SOUTH 17TH STREET PHILADELPHIA, PA 19103			EDWARDS, LAURA ESTELLE	
			ART UNIT	PAPER NUMBER
PHILADELFF	iia, i a 17103		1792	
			MAIL DATE	DELIVERY MODE
		•	10/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Summers	10/531,927	VESTERLUND, INGMAR			
Office Action Summary	Examiner	Art Unit			
•	Laura Edwards	1792			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	I. ely filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status	·	·			
1) Responsive to communication(s) filed on					
<u> </u>	– action is non-final.				
3) Since this application is in condition for allowan					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	•				
4) Claim(s) <u>1-3</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-3</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers					
	· -				
9) The specification is objected to by the Examiner.					
10)⊠ The drawing(s) filed on 19 April 2005 is/are: a)⊠ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Ex					
	arminer. Note the attached Office	Action of form PTO-132.			
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).			
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No.					
3 🗵 Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau					
* See the attached detailed Office action for a list of		<b>d.</b>			
	•				
Address					
Attachment(s)  4) M Netice of References Cited (RTC 200)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary (PTO-413) Paper No(s)/Mail Date				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal Pa				

# Specification

The abstract of the disclosure is objected to because it should be on a clean sheet by itself. Correction is required. See MPEP § 608.01(b).

### Claim Rejections - 35 USC § 112

Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 5, "the roughening traces" lack antecedent basis.

In claim 1, line 5, "the longitudinal direction" lacks antecedent basis.

In claim 2, it is unclear how area to be coated being roughed to the range claimed, further structurally limits the blade itself. This appears to be a process limitation.

In claim 3, it is unclear how the roughening formed by grinding further structurally limits the blade itself. This appears to be a process limitation. Also, in line 2, "the blade surface" lacks antecedent basis.

# Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ooyane (JP 2000-190280).

Ooyane provides a cutter blade for a printer comprising an elongated blade surface provided with a roughened surface via alumina blasting followed by a coating of a thermosetting silicone based polymer which would provide for wear resistances of the blade. Ooyane provides for roughening of the blade at a prescribed portion but does not specify the area of the blade perpendicular to a longitudinal direction of the blade. However, it would have been obvious to one of ordinary skill in the art to provide roughening of an appropriate surface of the blade, most likely to be in contact with another surface in order to improve the receipt of the wear resistant coating on the blade.

With respect to claims 2 and 3, these claims are read to provide process limitations and not structural limitations to the blade such that these claims have been given no patentable weight.

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#### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patent discloses the state of the art with respect to a wear resistant blade: Yamada et al (US 4,823,161).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura Edwards whose telephone number is (571) 272-1227. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on (571) 272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Laura Edwards
Primary Examiner
Art Unit 1792

Le October 29, 2007